Trop. Sci. 1992, **32**, 433–436

Author Index

ADUKU A.O., IJI P. A. and DIM N.I. Comparative evaluation of meat quality of four exotic strains of broilers, 137
AGBAJI A.S. *see* TERRY D.E.
AGBAJI E.B. *see* TERRY D.E.
AHMED A. *see* AHMED M.
AHMED M., SHAHID SHAUKAT S. and AHMED A. A comparison of quality characteristics of Pakistan wheat with the existing FAQ specifications: a proposal for a new grading system, 11
AKINGBALA J.O. *see* OSANYINTOLA O.J.
AMES G.R. *see* GOPAKUMAR K.
ANDERSEN C.R. *see* RAJAPAKSE N.C.
AREGHEORE E.M. Nutritive value of cassava and maize in the diets of dairy calves, 21
AREGHEORE E.M. Effects of protein source on cassava peel utilization by growing sheep, 313
ASIABAKA C.C. and BAMISILE A.I. Evaluation of constraints affecting the performance of extension agents in the Lagos State Agricultural Development Project in Nigeria, 421

BALDINI V.L.S. *see* IADEROZA M.
BAMISILE A. I. *see* ASIABAKA C.C.
BATTA S.K., SHARMA K.P., SINGH J. and SINGH R. Minimizing the dextran problem in sugarcane juice, 210
BENNETT J. G. Conservation, sustainability and the Cross River National Park, Nigeria, 171
BOA E.R. *see* LOMER C.J.
BOVI M.L.A. *see* IADEROZA M.
BROWN A.E. *see* FINLAY A.R.

CHIEZEY U.F., YAYOCK J.Y. and SHEBAYAN J.A.Y. Response of soyabean (*Glycine max* (L.) Merrill) to nitrogen and phosphorus fertilizer levels, 361
COLE D.J.A. *see* THORNE P.J.
COMPTON J.A.F., TYLER P.S., MUMFORD J.D., NORTON G.A., JONES T.H and HINDMARSH P.S. Potential for an expert system on pest control in tropical grain stores, 295

DAGAR J.C. *see* SHARMA A.K.
DIM N.I. *see* ADUKU A.O.
DOS SANTOS DRAETTA I. *see* IADEROZA M.
DUBEY R.C. Effects of soil solarization on the survival of *Macrophomina phaseolina* in fungicide: amended and unamended soils, 275
DWIVEDI R.S. *see* SINGH R.K.

ECHENDU N.TC. *see* EMEHUTE J.K.U.
EDEN-GREEN S.J. *see* LOMER C.J.
EMEHUTE J.K.U. and ECHENDU N.T.C. Susceptibility of stored yam tubers (*Dioscorea* spp.) to infestation by *Araecerus fasciculatus* Degeer, 99
EZEH N.O.A. Economic appraisal of an improved yam storage barn, 27

FARRELL G. and KEY G.E. Flight behaviour of the larger grain borer *Prostephanus truncatus* in response to synthetic pheromone, 163
FINLAY A.R., LUBIN C. and BROWN A.E. The banana stalk as a source of inoculum of fungal pathogens which can cause crown rot, 343
FIRMIN A. Chemical changes in cassava tubers (*Manihot esculenta* Crantz) during production of placali, 353

GOPAKUMAR K., VIJAYAN P.K., WOOD C.D. and AMES G.R. The prospects for retort pouch technology in the Indian seafood industry, 153
GUPTA A.K. and WOODS J.L. Moisture removal during the cooling of heated barley, 1

HARRIS R.V. *see* SOUTHWELL K.H.
HEBBLETHWAITE M.J. Client-oriented research, 81
HINDMARSH P.S. *see* COMPTON J.A.F.
HOTSONYAME G.K. Establishment of plantain nurseries as a means of rapid multiplication of planting materials and their subsequent performance in the field, 335
HUNTER I., SANDBERG R. and PRINCE J. A comparison of the nutrient requirements and growth of young Radiata pine and Caribbean pine on 5 New Zealand soils, 53

IADEROZA M., BALDINI V.L.S., DOS SANTOS DRAETTA I. and BOVI M.L.A. Anthocyanins from fruits of açai (*Euterpe oleracea*, Mart) and Juçara (*Euterpe edulis*, Mart), 41
IFON E.T. *see* UDOESSIEN E.I.
IJI P.A. *see* ADUKU A.O.

JACQ V.A. *see* TRAORE S.A.
JONES T.H. *see* COMPTON J.A.F.

KALEEMULLAH S. The effect of moisture content on the physical properties of groundnut kernels, 129
KALENGA SAKA J.D., MSONTHI J.D. and SAMBO E.Y. Dry matter, acidity and ascorbic acid contents of edible wild fruits growing in Malawi, 217
KAUR R. *see* YU S.Y.
KEY G.E. *see* FARRELL G.
KREMER A.R. and LOCK C. A decision model for sponsors of crop protection in the western Sahel, 397

LOCK C. *see* KREMER A.R.
LOGAN J.W.M. Termites (Isoptera): a pest or resource for small farmers in Africa? 71
LOMER C.J., EDEN-GREEN S.J., BOA E.R. and SUPRIADI Evidence for a forest origin of Sumatra disease of cloves, 95
LUBIN C. *see* FINLAY A.R.

MACHIN D.H. *see* THORNE P.J.
MARECK J.H. *see* OSANYINTOLA O.J.
MARTER A.D. and TIMMINS W.H. Small-scale processing of sweet potato in Sichuan Province, People's Republic of China, 241
MBATA G.N. Studies on the comparative susceptibility of varieties of bambarra groundnuts to infestation by *Callosobruchus maculatus*, 47
MOLINA MEDINA M.R. *see* PEREIRA PACHECO F.E.
MSONTHI J.D. *see* KALENGA SAKA J.D.
MUMFORD J.D. *see* COMPTON J.A.F.

NARTEH L.T. and OTENG J.W. The response of *Azolla pinnata* var *pinnata* to organic and inorganic nutrients, 207
NORTON G.A. *see* COMPTON J.A.F.

ODUNFA S.A. *see* OYEWOLE O.B.
OKWUOWULU P.A. Comparative evaluation of four exotic ginger (*Zingiber officinale* Rosc.) cultivars with the Nigerian land races, 91
OSANYINTOLA O.J., MARECK J.H. and AKINGBALA J.O. Effect of time of harvest and variety on the quality of boiled green field maize (*Zea mays* Linn), 369
OTENG J.W. *see* NARTEH L.T.
OYEWOLE O.B. and ODUNFA S.A. Effects of processing variables in cassava fermentation for 'fufu' production, 231

PAL R.N. *see* SHARMA A.K.
PALMER E.R. Alternative methods for preparing paper-making pulps from wood, 281
PEREIRA PACHECO F.E. and MOLINA MEDINA M.R. Starch extraction from *Xanthosoma sagittifolium*, 203
PIKE L.M. *see* RAJAPAKSE N.C.
PRINCE J. *see* HUNTER I.

QUEVEDO M.A. and RAMOS A.D. Method of corm preparation for storage of taro, 121

RAHMAN R.A. *see* YU S.Y.
RAJAPAKSE N.C., ANDERSEN C.R. and PIKE L.M. Storage potential of short-day onion cultivars: contribution of water loss, diseases and sprouting, 33
RAMOS A.D. *see* QUEVEDO M.A.
RAO G.P., SINGH M. and SINGH H.N. Fungitoxic evaluation of essential oils extracted from higher plants against some sugarcane pathogens in vitro, 377
RICE M.A. Bivalve aquaculture in warm tropical and subtropical waters with reference to sanitary water quality, monitoring and post-harvest disinfection, 179
RODRIGUES B.F. and TORNE S.G. Estimation of canavanine in the seeds of three Canavalia species, 319

SAMBO E.Y. *see* KALENGA SAKA J.D.
SANDERG R. *see* HUNTER I.
SEIFELNASR Y.E. Stored grain insects found in sorghum stored in the central production belt of Sudan and losses incurred, 223
SHAHID SHAUKAT S. *see* AHMED M.
SHARMA A.K., DAGAR J.C. and PAL R.N. Performance of perennial fodder grasses under continuous growth in tropical islands, 383
SHARMA K.P. *see* BATTA S.K.
SHEBAYAN J.A.Y. *see* CHIEZEY U.F.
SHUKLA R.P. *see* SINGH R.K.
SINGH H.N. *see* RAO G.P.
SINGH J. *see* BATTA S.K.
SINGH M. *see* RAO G.P.
SINGH R. *see* BATTA S.K.
SINGH R.K., SHUKLA R.P. and DWIVEDI R.S. Effect of cadmium, cobalt and nickel salts on the survivability of sclerotia and plant infection by *Sclerotium rolfsii* causing root-rot disease of barley, 269
SOUTHWELL K.H. and HARRIS R.V. Extraction of oil from oilseeds using the hot water flotation method, 251
SUPRIADI *see* LOMER C.J.

TANG S. and TIAN G. Growth, yield and fruit quality of citrus (*C. sinensis* [L.] Osbeck) on acid and calcareous soils, 327
TERRY D.E., AGBAJI A.S. and AGBAJI E.B. Proximate composition of the seeds of *Acacia nilotica* var *Adansonii* (Bagaruwa) and extraction of its protein, 263
THORNE P.J., WISEMAN J., COLE D.J.A. and MACHIN D.H. Amino acid composition and aspects of protein quality in expeller meals for pig feeding, 145
TIAN G. *see* TANG S.
TIMMINS W.H. *see* MARTER A.D.
TORNE S.C. *see* RODRIGUES B.F.
TRAORE S.A. and JACQ V.A. A simple membrane filter technique for the enumeration of sulphur-reducing bacteria in soils and water samples, 63
TYLER P.S. *see* COMPTON J.A.F.

UDOESSIEN E.I. and IFON E.T. Chemical evaluation of the nutritive value of the fruit of *Sapium ellipticum* (Hochst.) Pax, 109
UDOESSIEN E.I. and IFON E.T. Chemical evaluation of some antinutritional constituents in four species of yam, 115
UNDERHILL S.J.R. Lychee (*Litchi chinensis* Sonn.) pericarp browning, 305

VIJAYAN P.K. *see* GOPAKUMAR K.

WISEMAN J. *see* THORNE P.J.
WOOD C.D. *see* GOPAKUMAR K.
WOODS J.L. *see* GUPTA A.K.

YAYOCK J.Y. *see* CHIEZEY U.F.
YU S.Y. and KAUR R. Development of fish biscuits from Round Scad (*Decapterus russelli* Rupp.), 289
YU S.Y. and RAHMAN R.A. Development of surimi noodles, 389

Subject Index

Acacia nilotica, 263
açai, 41
acidity of wild fruits of Malawi, 217
Adansonia digitata, 217
agricultural extension, Nigeria, 421
animal feed, nutritive value, 21
Allium cepa, 33
anthocyanins
  in açai, 41
  in juçara, 41
antinutritional constitutents of yam, 115
aquaculture, bivalve, 179
Araecerus fasciculatus, 99
Arachis hypogaea, 129
Aristichthys nobilis, noodle production from, 389
ascorbic acid in wild fruits of Malawi, 217
Azolla pinnata, 207

Bagaruwa
  chemical composition, 263
  protein extraction, 263
banana, crown rot pathogens, 343
barley
  aeration, 1
  moisture removal during cooling, 1
  root rot, 269
Bauhinia thonningii, 217
bivalve aquaculture, 179
Bookshelf, 105, 203, 321, 429
browning of pericarp of lychee, 305

cadmium, effect on barley root rot, 269
Callosobruchus maculatus, 47
canavanine, in *Canavalia* seeds, 319
cassava
  fermentation, 231
  'fufu', 231
  peel-based diets in sheep, digestibility, 313
  processing of, 231
  fermentation, chemical changes during 353
  nutritive value, 21
  production of placali, 353
chemical composition
  of Bagaruwa, 263
  of biscuits from Round Scad, 289
  of copra meal, 145
  of *Sapium ellipticum* fruits, 109
  of yam, 115
chickens, broiler, 137
  meat quality of, 137
Citrus sinensis, 327
citrus, yield
  on acid soils, 327
  on calcareous soils, 327
Client-oriented research, 81
cloves, Sumatra disease of, 95
cobalt, effect on root rot of barley, 269
Colocasia esculenta, 121
Colletotrichum musae, 343
computers, use in grain storage, 295
continuous growth of fodder grasses, 383
copra meal
  amino acid composition of, 145
  digestibility, 145
  for pig feed, 145
  protein quality, 145
corm preparation for taro preparation, 121
crop loss assessment, 397
crown rot pathogens of banana, 343

dairy calves, 21
Decapterus russelli, 289
Dioscorea spp., 27, 99, 115
Diospyros kirkii, 217
dry matter in wild fruits of Malawi, 217

economic cost–benefit analysis, 397
Eucalyptus spp., 281
Euterpe edulis, 41
Euterpe oleracea, 41
expert systems, 295
extension agents, Nigeria, 421
extension services, 171

faecal digestibility of copra meal pig feed, 145
farmer subsidies, Mali, 397
fish biscuits from round Scad, 289
fish noodles
  sensory evaluation of, 389
  texture, 389
fish, use of in noodle production, 389
fruit quality of citrus, 327
'fufu', from cassava, 231
fungitoxicity of essential oils, 377
Fusarium spp., 343

ginger, 91
Glycine max, 361
grain borer
  flight behaviour of, 163
  pheromones and, 163
grain storage, pest control in, 295
green field maize, quality of, 369
groundnuts
  bambarra, 47
  kernels, moisture content of, 129
  kernels, physical properties of, 129
  susceptibility to *Callosobruchus maculatus* infestation, 47
growth rate in sheep, 313

hardwoods for paper making, 281
harvest timing, effect on quality of green maize, 369

ileal digestibility of copra meal pig feed, 145
Ipomoea batatas, 241

juçara, 41

Kraft process, 281

Leuconostoc mesenteroides, 210
Lagos State Agricultural Development Project, 421
Litchi chinensis, 305
lychee pericarp
  pigments in, 305
  pericarp browning, 305

Macrophomina phaseolina, 275
maize
  nutritive value, 21, 369
  pest control during storage, 295
  storage, 295
Mali, crop protection, 397
Manihot esculenta, 231, 353
Manihot utilissima, 21
meat quality of broiler chickens, 137
molluscs, aquaculture, 179
Musa, 335

national parks, Nigeria, 171
natural pigments, 41
News items, 325, 326
nickel, effect on root rot of barley, 269
nitrogen, effect on soya bean growth, 361
noodles, from fish, 389

oilseeds, oil extraction from, 251
onion
  post-harvest physiology, 33
  water loss during storage, 33

paper-making pulps, alternative methods of preparation, 281
perennial fodder grasses, performance of, 383
pericarp, browning of in lychee, 305
pest control in grain storage, 295
pheromones, synthetic and grain borers, 163
phosphorus, effect on soya bean growth, 361
phytotoxicity of essential oils, 373
pine
  Caribbean, 53
  nutrient requirements in New Zealand soils, 53
  Radiata, 53
Pinus radiata, 53
Pinus caribaea, 53
plant protection, 397
plantain, rapid multiplication, 335
propagation of plantain, 335
Prostephanus truncatus, 163
protein extraction from Bagaruwa, 263

retort pouches, for storage of sardines, 153
rice
  doubling time, 207
  fertilizers and, 207
  relative growth rate, 207
root rot, barley, 269
Round Scad, biscuits from 289

sanitation in shellfisheries, 179
Sapium ellipticum, fruits of
  chemical evaluation in, 109
  nutritive value, 109
sardine, storage of, 153
Sardinella longiceps, 153
Sclerotium rolfsii, 269
sheep diets, use of cassava peel in, 313
shellfisheries
  in tropical waters, 179
  sanitation in, 179
  water quality in, 179
solarization of soils, effects on fungicides, 275
sorghum, stored, loss caused by grain insects, 223
soya bean, response of growth to fertilizers, 361
starch, extraction from *Xanthoma sagittifolium*, 203
stored grain insects, losses caused by, 223
subsistence farming, 71
sugar
  dextran, in sugarcane juice, 210
  recovery from sugarcane juice, 210
  sucrose, in sugarcane juice, 210
sugarcane
  juice, dextran in, 210
  fungal pathogens, 377
sulphur-reducing bacteria in soils
  enumeration of, 63
Sumatra disease of cloves, 95
sweet potato, small-scale processing, 241
Syzygium aromaticum, 95

taro
  corm preparation for, 121
  sorting, 121
  storage, 121
termites
  nutritive value of, 71
  uses of, 71
tourism in Nigeria, 171
training needs of extension agents, Nigeria, 421

Vangueria infausta, 217
Vigna subterranea, 47

water flotation method of oil extraction, 251
water quality on shellfisheries, 179
wheat
  grading, 11
  quality, 11
wild fruits, Malawi
  acidity of, 217
  ascorbic acid content, 217
  dry matter content, 217
wood pulping processes, effectiveness of, 281
wood, pulping for paper making, 281

Xanthosoma sagittifolium, starch extraction, 203

yam
  antinutritional constituents, 115
  chemical evaluation, 115
  improved storage, 27
  infestation during storage, 99
  storage, 99
yield efficiency of fodder grasses, 383

Zea mays, 21, 367
Zingiber officinale, 91